

FEDERAL BUREAU OF INVESTIGATION
FOI/PA
DELETED PAGE INFORMATION SHEET
FOI/PA# 1204879-001

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FEDERAL BUREAU

OF INVESTIGATION

Laboratory

69509

Date 7/14 1942

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Edmond
u. u.
P. P.
2-1

Donner
Hess
Hess
Hess

Mr. Martin	7326	Mr. LaRock	7325E
Mr. Appel	4235	Mr. Magee	7325C
Mr. Baughman	7325D	Mr. Marshall	7334
Mr. Beach	7325F	Mr. Mesnig	7334
Mr. Blackburn	7334	Mr. Millen	7120
Mr. Blaine	4235	Mr. Miller	4235
Mr. Bohn	7334	Mr. Murray	7325D
Mr. Chadduck	7325E	Mr. Napier	7334
Mr. Conrad	1410	Mr. Parsons	7325D
Mr. Couch	7325D	Mr. Pfafman	1410
Mr. Dingle	4235	Mr. Schweitzer	1410
Mr. Driscoll	7325C	Mr. Stanley	7325F
Mr. Dunlop	1410	Mr. Swartz	1410
Mr. Feehan	4235	Mr. Watson	7118
Mr. Freimuth	7325F	Mr. J. Willard	7325D
Mr. Gasteiger	4235	Mr. White	7325F
Mr. Gould	7325	Mr. M. Williams	7325D
Mr. Hesser	7325	Miss Frawley	7326
Mr. Holland	7334	Records	7325
Mr. Jevons	7325E	Typing Pool	7325
6th FLOOR FILES		LABORATORY FILES	7325

Mr. Coffey
suggested rough draft
of suggestion.

See Me _____
Please Handle _____
Route to #1 Examiner _____

E. P. COFFEY
Room 7326

FEDERAL BUREAU OF INVESTIGATION

F-16

6-19

1941

Mr. Tolson	Mr. Laughlin, L.L.
Mr. Tamm, E. A.	Mr. Laughlin, R.H.
Mr. Clegg	Mr. Little
Mr. Glavin	Mr. Lutey
Mr. Ladd	Mr. McGeary
Mr. Nichols	Mr. McIntire
Mr. Foxworth	Mr. Martin
Mr. Tracy	Mr. Mumford
Mr. Alden	Mr. Murphy
Mr. Alley	Mr. Muzzey
Mr. Appel	Mr. Newman
Mrs. Atkinson	Mr. Nugent
Mr. Beach	Mr. Pennington
Miss Beahm	Mr. Ranstad
Mr. Bellino	Mr. Renneberger
Mr. Blackburn	Mr. Rosen
Mr. Brown	Mr. Rubenstein
Mr. Buckley	Mr. Savage
Mr. Callan	Mr. Smith, F.J.
Mr. Carson	Mr. Smith, R.E.
Mr. Cimperman	Mr. Spear
Mr. Coffey	Mr. Starke
Mr. Coleman	Mr. Stone
Miss Dawson	Mr. Strickland
Mr. Drayton	Mr. Suttler
Miss Gandy	Mr. Tamm, Q.
Mr. Gasteiger	Mr. Thurston
Mr. Good	Mr. Timm
Mr. Grill	Mr. Traynor
Mr. Harbo	Mr. Van Landingham
Mr. Hendon	Mr. Wacks
Mr. Hinze	Mr. Walker
Mr. Holloman	Mr. Weber
Mr. Kimball	Mrs. Welliver
Mr. Kramer	Mr. Williams
	Mr. Youngs

As received - opened 6-19-41 - 7:20 PM
by mail clerk. B.G.S.

R.T.W.
O. H. PATTERSON

b3 Per CIA
b7E

80-604-102

No indented or secret
writing found:

JOHN EDGAR HOOVER
DIRECTOR

Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

JPS:DMS
80-604

June 12, 1941

MEMORANDUM FOR MR. LADD

Re: Rafael Romero Soto.

In regard to the instructions given to Soto for the use of pyramidon as a secret ink, Mr. Stanley reports that he has followed these instructions and has been unable to develop successfully pyramidon writing with sodium bicarbonate. Mr. Stanley prepared the ink per instructions with representative samples of rye, bourbon and gin and wrote per instructions on manifold copy sheet paper, tablet paper and bond paper. The sodium bicarbonate had no effect on the writing on either the tablet or bond paper. On manifold paper (undamped) the writing was easily read after application of sodium bicarbonate but with the rye and bourbon samples the writing was fairly legible without treatment due to the color of the solvent. In all cases the writing was developed by heat and by ferric ferri-cyanide. The latter is the specific developer for pyramidon.

Writing with bicarbonate was easily developed by heat, and the application of pyramidon to the bicarbonate prior to heating was without effect. It may be noted here that after development by ferric ferri-cyanide the deep color may be effectively removed by the bicarbonate solution.

Through his experiments Mr. Stanley believes this to be a very impractical ink due chiefly to its relatively easy development by heat, and to its color. It is his belief that in all probability the instructions as reported are inaccurate. A further check on these instructions should be obtained with reference in particular to the type of paper used and the grain size of the pyramidon tablets.

Respectfully,

E. P. Coffey

INDEXED

80-604-103
FEDERAL BUREAU OF INVESTIGATION
2 JUL 7 1941
U.S. DEPT. OF JUSTICE

RECORDED COPY FILED IN

RECEIVED

CH-18

JOHN EDGAR HOOVER
DIRECTOR



Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

July 16, 1941

JDS:JR

MEMORANDUM FOR MR. LADD

Re: A Letter in Indented Writing;
Addressed to J. Edgar Hoover,
Federal Bureau of Investigation,
Washington, D. C.

On June 16, 1941 the above letter was referred to Mr. Stanley of the Laboratory for the purpose of ascertaining the indented writing appearing upon it. After considerable examination and with the aid of photographs the following portions of the letter's contents were determined.

"---er Sir

*Thoma

Cong. J. Parney

I mailed 3 similar L G to ---nt Govt. agencies, and I would like you to read the contents before --- mail out the ad--- since --- numerous crewmen a--- German ---gh --- were rowed ---o---amin--- way over

--- which desired their help were on West St. - N.Y. A Mr. Peters --- office on a pier near I --- n --- now on Bro--- in --- icon that must --- an as- which I suspect are in --- es now in this nation-a-d -p-n-- show - ll----- and-----The recent N. J. Bund case where a bund spy confessed he deserted said I would like to take part in one of those meetings like going to be held advise to have a inteligⁿet office on every (war) ship company."

Although the entire text of the letter can not be ascertained from those portions that are it seems probable that it was written by some crackpot of foreign descent. Since there is no return address on the envelope or on the letter no further action will be taken in this case unless the same party is heard from in the future.

The letter and photographs are attached and will be retained in the files of the Bureau.

RECORDED
Respectfully,

E. P. Coffey

80-604-104
FEDERAL BUREAU OF INVESTIGATION
8 JUL 28 1941
U. S. DEPARTMENT OF JUSTICE
LADD Tamm Foxworth

Mr. Tolson ☒
Mr. E. A. Tamm ☒
Mr. Clegg ☒
Mr. Foxworth ☒
Mr. Glavin ☒
Mr. Ladd ☒
Mr. Nichols ☒
Mr. Rosen ☒
Mr. Carson ☒
Mr. Drayton ☒
Mr. Quinn Tamm ☒
Mr. Hendon ☒
Mr. Coffey ☒
Mr. Harbo ☒
Tele. Room ☒
Tour Room ☒
Mr. Nease ☒
Mr. Tracy ☒
Miss Beahm ☒
Miss Gandy ☒

CH-22

EX-5

JOHN EDGAR HOOVER
DIRECTOR



Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

July 17, 1941

JPS:EHJ
80-604

MEMORANDUM FOR MR. LADD

Re: Stationery of German Embassy

~~CONFIDENTIAL~~

Mr. Tolson _____
Mr. E. A. Tamm _____
Mr. Clegg _____
Mr. Foxworth _____
Mr. Glavin _____
Mr. Ladd _____
Mr. Nichols _____
Mr. Rosen _____
Mr. Carson _____
Mr. Drayton _____
Mr. Quinn Tamm _____
Mr. Hendon _____
Mr. Coffey _____
Mr. Harbo _____
Tele. Room _____
Tour Room _____
Mr. Nease _____
Mr. Tracy _____
Miss Boehm _____
Miss Gandy _____

* Post office contact advises that stationery of German Embassy changes color from white to a light yellow when placed under a strong lamp. It is believed that the paper is chemically treated to reflect any preliminary strong light examination by censors. Attempts are being made to obtain samples of this paper.

The above information is obtained from SIS #29.

Respectfully,

E. P. Coffey
E. P. Coffey

RECORDED

INDEXED

C-1-5

80-604-125
FEDERAL BUREAU OF INVESTIGATION
JUL 19 1941
DRAYTON
STICE

JOHN EDGAR HOOVER
DIRECTOR



Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

August 5, 1941

JPS:JR
80-604

MEMORANDUM FOR MR. LADD

Re: Pyramidon (Aminopyrine)

Experiments have been conducted for the purpose of determining the effect of time on Pyramidon Secret Ink Writing. Sample messages written with this ink were placed in my desk on May 12, 1941, and were developed periodically, the last one being developed on July 26, 1941. In every case development of the secret writing was perfect and time in no way effected the ink.

It can therefore be stated that secret ink writing with Pyramidon as prepared in this Laboratory remains intact on paper (manifold copy sheet paper) for a period of approximately two and one half months.

Respectfully,

E. P. Coffey

Mr. Tolson _____
Mr. E. A. Tamm _____
Mr. Clegg _____
Mr. Foxworth _____
Mr. Glavin _____
Mr. Ladd _____
Mr. Nichols _____
Mr. Rosen _____
Mr. Carson _____
Mr. Drayton _____
Mr. Quinn Tamm _____
Mr. Hendon _____
Mr. Coffey _____
Mr. Harbo _____
Tele. Room _____
Tour Room _____
Mr. Nease _____
Mr. Tracy _____
Miss Beahm _____
Miss Gandy _____

RECORDED

INDEXED

80-604-106

FEDERAL BUREAU OF INVESTIGATION

2 AUG 7 1941

U. S. DEPT. OF JUSTICE

RECEIVED

LADD

JAM:AF

August 1, 1941

RECORDED 80-604-107

Sergeant Alvin S. Peck
U. S. Army Transport "Kent"
New York Port of Embarkation
Army Base
Brooklyn, New York

My dear Sergeant:

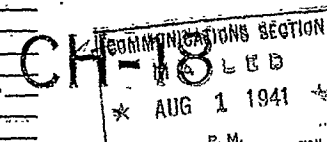
I am in receipt of your letter dated
July 17, 1941, in which you furnished certain
information relative to secret writing materials.

The information furnished by you is
being retained in the files of the Bureau for
reference and you may be assured that your
interest in submitting these data to me is
appreciated.

Sincerely yours,

John Edgar Hoover
Director

Mr. Tolson _____
Mr. E. A. Tamm _____
Mr. Clegg _____
Mr. Foxworth _____
Mr. Glavin _____
Mr. Ladd _____
Mr. Nichols _____
Mr. Rosen _____
Mr. Carson _____
Mr. Quinn Tamm _____
Mr. Hendon _____
Mr. Tracy _____



U.S. ARMY TRANSPORT "KENT"
NEW YORK PORT OF EMBARKATION,
ARMY BASE,
BROOKLYN, NEW YORK.

407
909
7/24

JULY 17, 1941.

DIRECTOR,
CRIME DETECTION LABORATORY,
U.S. DEPARTMENT OF JUSTICE,
WASHINGTON, D.C.

DEAR SIR:

SOME TIME AGO I READ A MAGAZINE ARTICLE WHICH DESCRIBED
A METHOD OF SECRET WRITING WHEREIN DISTILLED WATER WAS USED AS THE
INK, AND IN WHICH I BELIEVE YOUR ORGANIZATION WOULD BE INTERESTED,
INASMUCH AS THE WRITING IS SUPPOSED TO BE ABSOLUTELY UNDETECTABLE,
EVEN UNDER THE ULTRA-VIOLET RAY, OBLIQUE ILLUMINATION, OR OTHER
AID.

BRIEFLY, THE METHOD IS AS FOLLOWS: TRACE THE CHARACTERS
ON A DRY SHEET OF A FINE FAN PAPER, SUCH AS ONION-SKIN, WHICH HAS
BEEN SUPERIMPOSED UPON A DAMP ONE, USING DISTILLED WATER AS THE INK.
THEN REMOVE THE SHEET WHICH HAS BEEN WRITTEN UPON, AND ALLOW IT TO
DRY THOROUGHLY. OBSERVATION UNDER THE MICROSCOPE OR ULTRA-VIOLET
WILL FAIL TO REVEAL THE CHARACTERS. HOWEVER, IF THE PAPER SUSPECTED
OF CONTAINING WRITING BE SUSPENDED FOR A FEW MINUTES IN A SOLUTION
OF CERTAIN DYES (LISTED BELOW), THE CHARACTERS WILL RETAIN A LITTLE
MORE OF THE DYE THAN THE REMAINDER OF THE SHEET, AND IN THIS WAY
THE WRITING IS "DEVELOPED".

THE FOLLOWING DYES ARE SUITABLE FOR USE AS DEVELOPERS:
(PRICED AT THE NATIONAL ANILINE AND CHEMICAL CO., CHICAGO, ILLS.)



\$.83 PER LB.

b3 Per CIA
b7E

1.15 " "
.62 " "
.77 " "
.62 " "

RECORDED 80-604-107

THE MAGAZINE ARTICLE DID NOT STATE WHETHER OR NOT TO USE
AN AQUEOUS OR ALCOHOLIC SOLUTION, BUT PERHAPS THAT COULD BE DETER-
MINED BY YOUR CHEMIST VERY EASILY.

I TRUST THAT THIS INFORMATION MAY BE USEFUL TO YOUR OR-
GANIZATION.

VERY TRULY YOURS,

ST. SGT. A. S. PECK,
WAR DEPARTMENT
U.S.A.T. "KENT"
N.Y. PORT OF EMBARKATION,
ARMY BASE,
BROOKLYN, N.Y.

OFFICIAL BUSINESS



PENALTY FOR

PAYMENT



AVOID

DIRECTOR, CRIME DETECTION LABORATORY, FBI,
U.S. DEPT. OF JUSTICE,
WASHINGTON, D.C.

JPS:EK
80-604

October 3, 1941

MR. TRACY

Re: Fred Ludwig was.

b7D
b7E

The following is miscellaneous data in connection with the use of Secret inks by the above subject.

Specimen Q682 in this case, two wooden toothpicks with sharpened points are in all probability the writing implements used by the subject. The fact that tests for the ink believed to have been used by the subject for this type of writing were negative when applied to this specimen suggests that the subject either wiped these toothpicks very carefully after use or that he used small bits of cotton wrapped around the tip.

At least one of the inks believed to have been used by the subject for this purpose was Pyramidon. This substance makes a very suitable ink in either aqueous or alcoholic solution and depending upon the concentration can be developed by ferric ferriyanide. The subject evidently used this substance as an ink in both aqueous and alcoholic solution since he was on one occasion told by his superiors to use alcohol because it was safer.

b7E

It appears that the word pos was used by the subject in his correspondence to signify the use of secret ink. In regard to the development of secret messages sent to the above subject by his foreign correspondents he was told by the latter to develop such secret writing by use of a saturated solution of washing soda chemically known as sodium carbonate. This information was obtained from a deciphered secret ink code message from his correspondents in Europe to the subject. The date of this letter was July 5, 1941. On August 8, 1941 a secret ink message to the subject was developed in the Laboratory.

b3 Per CIA
b7E

Respectfully,

E. P. Coffey

Tolson _____
E. A. Tamm _____
Clegg _____
Glavin _____
Ladd _____
Nichols _____
Rosen _____
Tracy _____
Harbo _____
Mohr _____
Tele. Rm. _____
Holloman _____
Gandy _____

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CH-22

60-604-108
FEDERAL BUREAU OF INVESTIGATION
OCT 7 1941
DEPARTMENT OF JUSTICE
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ORIGINAL FILED IN

JOHN EDGAR HOOVER
DIRECTOR



Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

October 4, 1941

JPS:AL
80-604

MEMORANDUM FOR MR. TRACY

Re: Senor Jorge ~~X~~ Mosquera

The following is data reported to have been given to the above subject as instructions for secret writing.

The paper the above subject was to use is of the dull finish linen type and definitely not any wood pulp paper. The reason for the use of linen paper is in all probability due to the color match between it and [redacted] the material used as his ink.

The subject was to have used a ball point pen as his writing implement in preparing his secret messages. This is a usual type of pen point for such writing.

A nibful of [redacted] in four teaspoonfuls of water was to have been used by the above subject as his secret ink. [redacted] is quite insoluble in water and the resulting ink is merely a milky appearing liquid containing suspended particles of [redacted]. This is a rather unusual ink.

The procedure followed by the subject is as follows:

The secret message is written on one side of the paper which is marked in some manner to enable the writer to know on which side this message is so that he may later on write his dummy message on the opposite side. The secret message is allowed to



Mr. Tolson _____
Mr. E. A. Tamm ☒
Mr. Clegg _____
Mr. Foxworth _____
Mr. Glavin _____
Mr. Ladd ☒
Mr. Nichols _____
Mr. Rosen _____
Mr. Carson _____
Mr. Drayton _____
Mr. Quinn Tamm _____
Mr. Hendon _____
Mr. Coffey _____
Mr. Harbo _____
Tele. Room _____
Tour Room _____
Mr. Nease _____
Mr. Tracy _____
Miss Gandy _____

b3 Per CIA
b7E

b3 Per CIA
b7E

b3 Per CIA
b7E

RECORDED

80-604-110
FEDERAL BUREAU OF INVESTIGATION

Page two
Memo Mr. Tracy

b3 Per CIA
b7E

[REDACTED]

The method used to signify the presence of secret writing on the above subject's letters was the presence of Roman Numerals in the date heading the letter or placing the letter "s" at the end of the last word in the text of the letter and if this word already ended in "s" an additional "s" was to have been added.

After considerable experimentation the above ink was found to be fairly well developed by means of a saturated solution of [REDACTED] The letters in the secret message developed the characteristic reddish-pink color.

b3 Per CIA
b7E

In regard to the development of messages sent to him he was told to [REDACTED]

[REDACTED]

b3 Per CIA
b7E

Respectfully,

E. P. Coffey
E. P. Coffey

JOHN EDGAR HOOVER
DIRECTOR



Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

JAM:AF

October 20, 1941

MEMORANDUM FOR MR. TRACY

Re: Telephone Call from
A. M. Daniel
Law Librarian, Howard University

On October 20, 1941, Mr. A. M. Daniel, law librarian at Howard University, called the Laboratory and talked with Mr. Martin. He said he had started reading Van Doorn's History entitled "The Secret History of the United States" and that he noted therein an article indicating that Major Andre and Benedict Arnold at the time of the American Revolution used an enciphering system for writing secret messages. He said he then checked in his law library, in an old volume he had there and found that it had Andre's name written in it apparently by Andre himself and that it contained various markings, etc., which lead him to believe this book might have been the book actually used by Andre in working out his enciphered messages. He also said that his source of information indicated that Andre did use a book for his key. He said the book in question is made up of two volumes entitled "Burlamaqui on Natural Law" by La Marck, published in 1752. He said these two volumes are the oldest books in the law library at Howard University. He inquired as to the address of the American Cryptogram Association and was advised that their headquarters were at Burton, Ohio. Daniel said he was just beginning his research into this problem and had no other information concerning it; that he had no enciphered messages. He stated that when he got into the problem further he would be pleased to drop by the Laboratory and show us the books he had and the information he had been able to gather together on it.

Respectfully,

E P Coffey
E. P. Coffey

Mr. Tolson _____
Mr. E. A. Tamm _____
Mr. Clegg _____
Mr. Foxworth _____
Mr. Glavin _____
Mr. Ladd _____
Mr. Nichols _____
Mr. Rosen _____
Mr. Carson _____
Mr. Drayton _____
Mr. E. A. Tamm _____
Mr. Hendon _____
Mr. Coffey _____
Mr. Harbo _____
Tele. Room _____
Tour Room _____
Mr. Nease _____
Mr. Tracy _____
Miss Beahm _____
Miss Gandy _____

Letter to [unclear] Secret [unclear]

CHB 18

Oct 24 2 35 PM '41

RECORDED
INDEXED

ms

80-604-111
FEDERAL BUREAU OF INVESTIGATION
3 OCT 27 1941
U.S. DEPARTMENT OF JUSTICE

6
X
80-604-112
LILLFEMT

October 23, 1941

✓
~~PERSONAL AND
CONFIDENTIAL~~

Honorable Adolf A. Berle, Jr.
Assistant Secretary of State
Department of State
Washington, D. C.

Dear Mr. Berle:

Information has been received by this Bureau from an outside confidential and reliable source indicating that Japanese agents are reported to be transmitting and receiving secret messages by a photographic process on paper so sensitive that the moment it is exposed to light the undeveloped message disappears.

Although this Bureau's source of information has stated that there was no confirmation of this report, nevertheless, it is felt that it may be of interest to you.

Sincerely yours,

BY SPECIAL
INSTRUCTIONS

BY REQUEST OF H. H. WILKINSON

December 29, 1941

RECORDED

80-604-114

JRD:BJR

Mr. Ray L. Huff
General Superintendent
D. C. Penal Institutions
P. O. Box 25
Lorton, Virginia

Dear Mr. Huff:

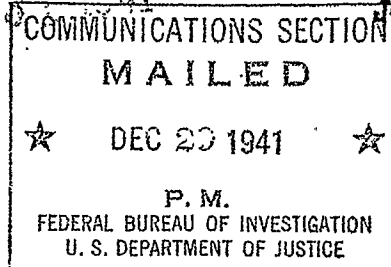
This is to acknowledge receipt of your letter dated December 17, 1941 requesting information pertaining to equipment for the detection of concealed writing by ultraviolet light, commonly referred to as black light.

It is pointed out that there are many types of ultraviolet lamps available for this purpose and which are capable of satisfactory results. This Bureau uses several different types of ultraviolet lamps in carrying out its regular work along these lines, however, it is believed that one of the more inexpensive outfits would be most satisfactory for your purpose. The specifications for such an outfit which has been used with complete satisfaction by this Bureau are as follows: General Electric Autotransformer (Catalogue #59 G 18 For H4 Lamp) complete with General Electric lamp E-H4 and reflector. The approximate cost of the transformer and lamp is \$17.50. Any type of reflector would be satisfactory for use with the lamp.

I trust that this information will be of some assistance to you.

Sincerely yours,

Mr. Tolson _____
Mr. E. A. Tamm _____
Mr. Clegg _____
Mr. Glavin _____
Mr. Ladd _____
Mr. Nichols _____
Mr. Tracy _____
Mr. Rosen _____
Mr. Carson _____
Mr. Coffey _____
Mr. Hendon _____
Mr. Holloman _____
Mr. Quinn Tamm _____
Mr. Nease _____
Miss Gandy _____



John Edgar Hoover
Director

Handwritten signature

Handwritten initials

DISTRICT OF COLUMBIA
BOARD OF PUBLIC WELFARE

~~Conrad Van Hyning~~
~~ROBERT DEBONIN~~
DIRECTOR OF PUBLIC WELFARE

PAUL L. KIRBY
ASSISTANT DIRECTOR

~~D. C. PENAL INSTITUTIONS~~

RAY L. HUFF
GENERAL SUPERINTENDENT

E. A. GREEN
BUSINESS MANAGER

D. C. WORKHOUSE, OCCOQUAN, VA.
ARTHUR L. PETITT, SUPT.

D. C. JAIL, WASHINGTON, D. C.
THOMAS M. RIVES, SUPT.

D. C. REFORMATORY, LORTON, VA.
C. O. BOTKIN, SUPT.

ADDRESS REPLY TO:

D. C. PENAL INSTITUTIONS
P. O. BOX 25, LORTON, VA.

December 17, 1941

Mr. J. Edgar Hoover,
Director
Federal Bureau of Investigation
Washington, D.C.

Dear Mr. Hoover:

We are interested in the purchase of equipment which is most practical in the use of detection of concealed writing, commonly called a black light.

We are about to purchase this equipment and would appreciate any advice that can be given us that would be helpful in drawing up specifications.

Very truly yours,

Ray L. Huff
Ray L. Huff
General Superintendent

DEC 15 1941

RECORDED

70-604-114

smh
GENERAL SUPERINTENDENT'S OFFICE
Penal Institutions of the District of Columbia
Lorton, Virginia



BUY
DEFENSE SAVING
BONDS AND STAMPS



Mr. J. Edgar Hoover, Director
Federal Bureau of Investigation
Department of Justice
Washington, D.C.

c
o
p
y ram

RECORDED JPS:MRK
80-604 -115

December 20, 1941

MEMORANDUM FOR [REDACTED]

b7D

Re: [REDACTED]

Your communication [REDACTED] dated November 29, 1941 and received in the Bureau's Technical Laboratory December 4, 1941. requested [REDACTED]

b7D

The results of the examination made by the Technical Laboratory are as follows:

b3 Per CIA
b7D
b7E

22 JAN 19 1942
267

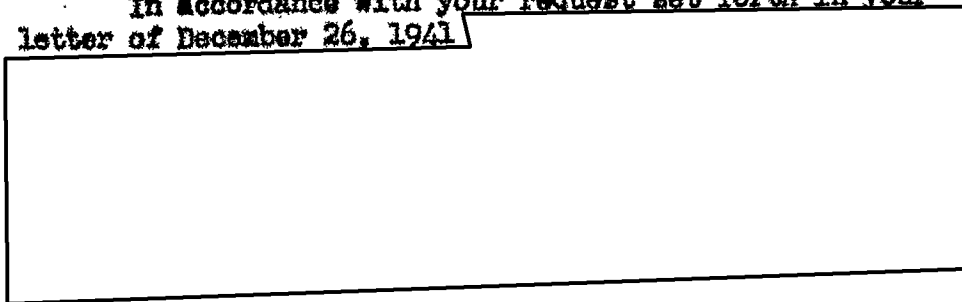
JPS:BJR
100-769-6474
63982

January 9, 1942

MEMORANDUM FOR

b3 Per CIA
b7D
b7E

In accordance with your request set forth in your letter of December 26, 1941



In regard to your request for an answer to yours of November 29, 1941, an answer to the same was forwarded to you December 20, 1941.

b7D

Secret Writing

ORIGINAL FILED IN 100-769-6474

RECORDED

me
80-604-117

JAN 12 1942 A.M.

U. S. DEPARTMENT OF JUSTICE

FILE *pcw*

989
JAN 17 1942

RSW:VM
100-604-118

January 12, 1948

RECORDED

Mrs. Ruth Hooker
Librarian
Naval Research Library
Anacostia Station
Washington, D. C.

Dear Mrs. Hooker:

I have been advised of your recent telephonic conversation with Mr. Vahab of this Bureau and of your request to receive information pertaining to the detection and development of invisible writing.

In accordance with your request, I am happy to enclose several pamphlets which I hope will be of assistance to you.

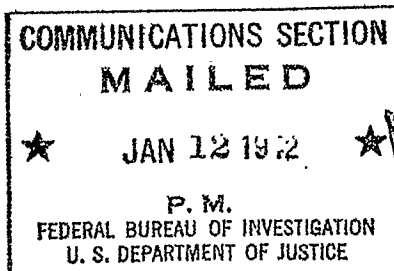
With best wishes and kind regards,

Sincerely yours,

Enclosure

Secret Writing with Sympathetic Inks
Restoration of Faded Writing
Sympathetic Inks

Mr. Tolson _____
Mr. E. A. Tamm _____
Mr. Clegg _____
Mr. Glavin _____
Mr. Ladd _____
Mr. Nichols _____
Mr. Tracy _____
Mr. Rosen _____
Mr. Carson _____
Mr. Coffey _____
Mr. Hendon _____
Mr. Holloman _____
Mr. Quinn Tamm _____
Mr. Nease _____
Miss Gandy _____



18 JAN 21 1948

JOHN EDGAR HOOVER
DIRECTOR



RSW:VM

Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

January 10, 1942

Call: 2:10 P.M.
Dictated: 2:30 P.M.

MEMORANDUM FOR MR. NICHOLS

On January 10, 1942, Mrs. Ruth ~~Hooker~~,
Librarian of the Naval Research Library, Anacostia
Station, Washington, D. C., called and in my absence
talked with Special Agent Wahab.

She requested to be furnished with any
material the Bureau might have pertaining to secret
writing and the development of invisible ink.

Attached is an appropriate letter to Mrs.
Hooker forwarding several reprints from the FBI Law
Enforcement Bulletin on the subject.

Respectfully,

R. C. Hendon
R. C. Hendon

Attachment

Mr. Tolson _____
Mr. E. A. Tamm _____
Mr. Clegg _____
Mr. Glavin _____
Mr. Ladd _____
Mr. Nichols _____
Mr. Tracy _____
Mr. Rosen _____
Mr. Carson _____
Mr. Coffey _____
Mr. Hendon _____
Mr. Quinn Tamm _____
Mr. Holloman _____
Mr. Harbo _____
Tele. Room _____
Tour Room _____
Mr. Nease _____
Miss Gohm _____
Miss Gandy _____

INDEXED
&
INDEXED
7-18

80-604-118
FEDERAL BUREAU OF INVESTIGATION
JAN 15 1942
U. S. DEPARTMENT OF JUSTICE

DISTRICT OF
BOARD OF PUBLIC
CONRAD VA
DIRECTOR OF PUBLIC WELFARE

PAUL L. KIRBY
ASSISTANT DIRECTOR

C. PENAL INSTITUTION
RAY L. HUFF
GENERAL SUPERINTENDENT

E. A. GREEN
BUSINESS MANAGER

D. C. WORKHOUSE, OCCOQUAN, VA.
ARTHUR L. PETITT, SUPT.

D. C. JAIL, WASHINGTON, D. C.
THOMAS M. RIVES, SUPT.

D. C. REFORMATORY, LORTON, VA.
C. O. BOTKIN, SUPT.

ADDRESS REPLY TO:

D. C. PENAL INSTITUTIONS
P. O. BOX 25, LORTON, VA.

January 5, 1942

Mr. John Edgar Hoover,
Director,
Federal Bureau of Investigation
Washington, D.C.

Dear Mr. Hoover:

We acknowledge and appreciate your letter
of December 29, re blacklight and are purchasing
as you recommend.

Cordially yours,

Ray L. Huff
Ray L. Huff
General Superintendent

EX-19

RECORDED

80-604-1179

FEDERAL BUREAU OF INVESTIGATION
6 JAN 26 1942
U.S. DEPARTMENT OF JUSTICE

JAN 31 1942



Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

January 30, 1942

JPS:JR

80-604

MEMORANDUM FOR MR. TRACY

Re: Visit of [redacted]
[redacted]

On January 12, 1942 [redacted]
[redacted] called at my office.
I was informed by [redacted]
[redacted] referred him to me. [redacted] also
informed me that the purpose of his visit was to more or
less [redacted]
[redacted]

[redacted] was turned over to Mr. Stanley of [redacted] b3 Per CIA
the Laboratory staff who outlined [redacted] b7D
[redacted] b7E

It is interesting to note that [redacted] b3 Per CIA
Mr. Stanley both feel that [redacted] b7D
[redacted] b7E
[redacted] At
the close of the discussion [redacted] was requested to return
on January 13, 1942 at 10:00 A. M. for the purpose of interviewing
Mrs. Slater.

Mr. Tolson ✓
Mr. E. A. Tamm _____
Mr. Clegg _____
Mr. Glavin ✓
Mr. Ladd ✓
Mr. Nichols _____
Mr. Tracy _____
Mr. Rosen _____
Mr. Carson _____
Mr. Coffey _____
Mr. Hendon _____
Mr. Holloman _____
Mr. Quinn Tamm _____
Mr. Harbo _____
Tele. Room _____
Mr. Nease _____
Miss Beahm _____
Miss Gandy _____

b7D

RECORDED
INDEXED

80-604-120
FEDERAL BUREAU OF INVESTIGATION
15 JAN 31 1942
U. S. DEPARTMENT OF JUSTICE

23 FEB 6 1942

vhs.

During [redacted] interview with Mrs. Slater, inquiry was made as to [redacted]

b7D

[redacted]
[redacted]
[redacted] but at the prompting or request of Mrs. Slater reviewed [redacted]

b7D

Ample notes were taken on the material discussed by [redacted] and are being retained in the laboratory.

Respectfully,

E. P. Coffey
E. P. Coffey

EDGAR HOOVER
DIRECTOR



Federal Bureau of Investigation
United States Department of Justice

Washington, D. C.

March 4, 1942

2
DML:WGR
Call: 6:10 P.M.
Transcribed: 6:30 P.M.

MEMORANDUM FOR MR. TRACY

Mr. Tolson _____
Mr. E. A. Tamm _____
Mr. Clegg _____
Mr. Glavin _____
Mr. Ladd _____
Mr. Nichols _____
Mr. Tracy _____
Mr. Rosen _____
Mr. Carson _____
Mr. Coffey _____
Mr. Hendon _____
Mr. Holloman _____
Mr. Quinn Tamm _____
Mr. Harbo _____
Tele. Room _____
Mr. Nease _____
Miss Beahm _____
Miss Gandy _____

While talking with Mr. Sam Klaus of the Treasury Department telephonically on the evening of March 4, 1942, he advised that they have a new "recipe" for making secret ink. Mr. Klaus stated that this will be sent to the Bureau in due course.

Very truly yours,

D. M. Ladd
D. M. Ladd

5/12. He was speaking of intercepts on this subject matter which were referred to us. nothing unusual.

JPS:AL

FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE

Laboratory Report

April 16, 1942

File # 80-604-122 ~~RECORDED~~

Re: Analysis of Secret Writing
Harris Seybold Potter Co.,
Cleveland, Ohio

Lab # 73910

Examination requested by:

Cleveland

Reference:

Letter 3/18/42

Examination requested:

Document (Secret Writing)

Specimens:

Stanley

Q5 One letter addressed to "Mr. Lee Boardman, Federal Bureau of Investigation, Cleveland, Ohio", written on stationery of the Harris Seybold Potter Co., which letter is self-explanatory.

Result of examination:

Specimen Q5 was examined carefully and the secret message on it was ascertained by means of a general developer for secret inks. The message reads as follows:

"Mr. Lee Boardman

It is directed that you investigate possible sabotage conditions at 14th and F Streets as quickly as possible.

Signed
The Chief of F.B.I.
Washington, D. C."

COMMUNICATIONS SECTION

M A The above information is not to be forwarded to the
Harris, Seybold, Potter Company.

★ APR 16 1942 P.M.

FEDERAL BUREAU OF INVESTIGATION
DEPARTMENT OF JUSTICE

1-Laboratory
2-Cleveland

22 APR 21 1942

Mr. Tolson _____
Mr. E. A. Tamm _____
Mr. Clegg _____
Mr. Glavin _____
Mr. Ladd _____
Mr. Nichols _____
Mr. Rosen _____
Mr. Tracy _____
Mr. Carson _____
Mr. Coffey _____
Mr. Hendon _____
Mr. Holloman _____
Mr. McGuire _____
Mr. Quinn Tamm _____
Mr. Nease _____
Mr. Gandy _____

Page two
Laboratory Report 73910

It is requested that your office contact the above company and inform them that due to the pressure of current Laboratory work the chemists of the Laboratory are unable to undertake the extensive analytical examination which would be necessary to determine the exact chemical or chemicals employed by them as a secret ink. However, the Bureau would appreciate any information the above company would be willing to give in regard to the chemicals employed both for the secret ink and its specific developer.

Specimen Q5 is being retained by the Laboratory, however, a typewritten copy of this specimen is being returned to your office herewith for the completion of your file.

**Federal Bureau of Investigation
United States Department of Justice**

Cleveland, Ohio
March 18, 1942

CES:GS

Attention: Technical Laboratory

Director
Federal Bureau of Investigation
Washington, D. C.

Dear Sir:

There is transmitted herewith a letter received by the Cleveland Field Division from the Harris-Seybold-Potter Company, 4510 East 71st Street, Cleveland, Ohio.

The letter is self-explanatory and the same is being transmitted to the Technical Laboratory inasmuch as the letter contains a message by the secret writing process discovered by the above named corporation.

The letter is being transmitted to the Technical Laboratory for such action as it deems necessary.

Very truly yours,

L. V. Boardman
L. V. Boardman
Special Agent in Charge

Enclosure

ENCLOSURE 19

4 MAR 25 1942

COPY IN FILE

EX-13

RECORDED

INDEXED

80-604-122	
FEDERAL BUREAU OF INVESTIGATION	
19	MAR 20 1942
U. S. DEPARTMENT OF JUSTICE	

COPY AND SPECIMENS RETAINED IN LAB.

HARRIS · SEYBOLD · POTTER CO.

General Offices: 4510 East 71st Street • CLEVELAND, OHIO

CHEMICAL DIVISION

Feb. 24, 1942

Mr. Lee Boardman
Federal Bureau of Investigation
Cleveland, Ohio

Dear Sir:

We presume that it may occasionally be to your advantage to keep confidential documents from the eyes of unauthorized persons and especially should this be true of confidential government orders. We suppose your office is familiar with all known methods of secret writing including the development of images written in water by [redacted]

b3 Per CIA
b7E

[redacted] we have discovered does not develop with [redacted] and moreover it is masked. Heat does not affect it but soaking in water will destroy it. Only those knowing the process can read the secret writing.

Perhaps it really is no secret after all, but if it is, the government is certainly welcome to it.

Our laboratory is ideally equipped to study any problem dealing with written communications; that is, any process whereby intelligence is recorded on paper or a similar medium. It is our desire to assist in any way possible in furthering our national war effort.

The paper on which this letter is written contains a message by the secret writing process mentioned above.

Yours very truly,

William H. Wood

William H. Wood

Director of Chemical Research
Harris-Seybold-Potter Co.

FEDERAL BUREAU OF INVESTIGATION	
U. S. DEPARTMENT OF JUSTICE	
FEB 25 1942	
CLEVELAND, OHIO FIELD OFFICE	
ROUTED TO	FILE

Re: ANALYSIS OF SECRET WRITING
HARRIS SEIBOLD POTTER CO.
CLEVELAND, OHIO

File # 80-504-122
Lab. # 72910

80-604-421

Examination requested by: CLEVELAND

Date of reference communication: LET. 3-18-42

Date received: 3-23-42
JJA

Examination requested: DOCUMENT (Secret Writing)

Result of Examination:

Examination by: STANLEY

Specimens submitted for examination

- Q5 One letter addressed to "Mr. Lee Boardman, Federal Bureau of Investigation, Cleveland, Ohio", written on stationery of the Harris Seybold Potter Co., which letter is self-explanatory.

JOHN EDGAR HOOVER
DIRECTOR



EPC:AF

Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

March 11, 1942

MEMORANDUM FOR MR. TRACY

Re: ~~X~~ Surplus Marketing Administration
Secret Ink on Stamps

note 25
Secret Inks + Stamps

11 ~~X~~ Frank Major, former Bureau employee now with Guy Hottel in the Surplus Marketing Administration, called at my office with Mr. R. L. ~~X~~ Burton of that Administration. They referred to previous assistance rendered by the Bureau in connection with the invisible marking of food stamps to prevent fraud. They stated the swindlers had now found a way to wash off the invisible inks previously recommended by the Bureau. They asked whether the Bureau could recommend a new ink which would be non-soluble in water. I advised them that I thought "Fantom-Fast", an invisible laundry marking, would be suitable for the purpose if the viscosity could be adjusted to the paper surface of their stamps. I told them that because of the war effort the Bureau was not presently able to engage in any extensive research work of this nature. I told them that if the viscosity could be easily adjusted we would give them the formula.

If the Bureau approves and it is possible without much work to dilute "Fantom-Fast" to the desired viscosity, the Surplus Marketing Administration will be advised.

Respectfully,

E. P. Coffey.

RECORDED

INDEXED

80-604-123
FEDERAL BUREAU OF INVESTIGATION
2 MAR 19 1942
U.S. DEPARTMENT OF JUSTICE

3 MAR 28 1942
69

COPY IN FILE

Mr. Tolson ✓
Mr. E. A. Tamm
Mr. Clegg
Mr. Glavin
Mr. Ladd
Mr. Nichols
Mr. Tracy
Mr. Rosen
Mr. Carson
Mr. Coffey ✓
Mr. Hendon
Mr. Holloman
Mr. Quinn Tamm
Mr. Harbo
Tele. Room
Tour Room
Mr. Nease
Miss Beahm
Miss Gandy

11 no name
We do not have
time
318:
THEIR MATERIAL
RETURNED TO THEM +
THEY WERE SO INFORMED
ED
WJ

In reply refer to Initials
and No.

NAVY DEPARTMENT
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON

*Little
Coffee*
~~CONFIDENTIAL~~

March 19, 1942

MEMORANDUM for File

SUBJECT: ~~Secret Inks Used by German Agents~~

1. The following intercepts pertaining to the above
SUBJECT have recently been received:

February 27, 1942. Please arrange new cover
address for Enrique only. Recommend that you
arrange with Enrique to use Apis ink for your
mail to him. Recipe follows.

March 2, 1942. [redacted] 0.5; $\frac{1}{2}$ tablet in
2 tablespoons full of alcohol, at least 90%.
Prepare fresh every time. Write as big as pos-
sible otherwise same as in message No. 214-215
but dry 30 minutes. Developer (recipe) follows.

b3 Per CIA
b7E

2. The reference message was intercepted on January
31, 1942, and reads in part as follows:

[redacted] safer than Ror. Recommend that [redacted]
be dissolved in alcohol at least 90%,
since the after treatment may be superfluous. Use
good writing paper with dull finish. Avoid
scratching. Dry for 10 minutes, then with ex-
actly the same kind of paper rub off both sides
5 minutes each with a circular motion.

b3 Per CIA
b7E

3. The reference message for the following does not ap-
pear among the intercepts which have been decoded and translated:

Re. 234: to develop, spread [redacted]
with a (camel's) hair brush. Writing appears
transparent.

b3 Per CIA
b7E

RECORDED & INDEXED

60-604-124
FEDERAL BUREAU OF INVESTIGATION
15 MAR 28 1942
Wallace S. Wharton
Commander U. S. DEPARTMENT OF JUSTICE
~~CONFIDENTIAL~~

RECEIVED

Rough draft

69510

Memo to Mr. Tracy

Suggestion for General control of use of
Secret Ink by foreign agents.

Messrs. Appel and Stanley have advanced the suggestion that it might be possible to considerably aid secret ink work in this country (and certainly in smaller countries allied to our counter-espionage effort) by securing a uniform paper product available to spies so adjusted by the addition of materials in the mix as to produce one of two results, viz:

1. Expose any attempt to use any secret ink.
2. Enable development of any secret ink in our laboratories.

by uniform tests designed not for reaction with the ink but for reaction with the paper which would show the absence of reaction where the secret ink occurs, or a so called negative pattern or white line.

This would be accomplished by requiring paper manufacturers to use a set formulae of materials mixed with their own ingredients, and no other. It is conceded that this might be difficult in view of the large number of manufacturers. It could be confined of course to writing paper manufacturers. It is apparent that spies consider the paper on which they write as shown by the correspondence asking that certain kinds of papers be used, indeed there must be a shortage of good paper for the purpose in Europe since they have been directed to bring back to Europe a supply.

Further, the extent of the orders or laws necessary would favor the leaking of information regarding control or product. Of course individual requests could be made of key officials only and some degree of secrecy maintained but it is known that the danger of leak would be great. It is believed however that at least there could be excluded from the open market papers which now facilitate spy writing with secret ink, such as mottled and rough finishes.

If it should be concluded that the project is impracticable the further suggestion is advanced that regulations of the Censorship might provide that only certain kinds of papers and envelopes will be permitted for mail going to foreign countries. To prevent such regulations from being discriminatory such paper and envelopes could be obtainable only from Post offices which would in turn accept supplies from any manufacturer who complies with specifications.

At the same time, of course, the paper and envelopes used by our own services could be specially prepared so as to permit optimum conditions in secret ink work. Especially should it be considered whether uniformly safe envelopes should be adopted by the Government universally, to be safe from tampering etc.

Very truly yours,

E. P. Coffey

RECORDED
INDEXED

80-604-125

FEDERAL BUREAU OF INVESTIGATION

APR 2 1942

U.S. DEPARTMENT OF JUSTICE

TRACY

PERSONNEL

3 APR 15 1942

3/24/42

Lt.

Detection of Secret Ink

more
specific
instructions

Open Conf. memo

FEDERAL BUREAU OF INVESTIGATION

Laboratory

Date 6/20 1941

Mr. Allen	7118	Mr. LaRock	7325E
Mr. Appel	1410	Mr. Magee	7325C
Mr. Baughman	7325D	Mr. Martin	7326
Mr. Beach	7325F	Mr. McCarthy	7325C
Mr. Blackburn	1410	Mr. McKenna	7330
Mr. Blaine	1410	Mr. Mesnig	1410
Mr. Chadduck	7325E	Mr. Millen	7118
Mr. Coffey	7326	Mr. Miller	1410
Mr. Conrad	7120	Mr. Murray	7325D
Mr. Dingle	1410	Mr. Napier	1410
Mr. Dunlop	7325F	Mr. Parsons	7325D
Mr. Feehan	1410	Mr. Pfafman	7120
Mr. Freimuth	7325F	Mr. Stanley	7325F
Mr. Gasteiger	1410	Mr. J. Willard	7325D
Mr. Gould	7328	Mr. White	7325F
Mr. Holland	1410	Mr. Williams	7325D
Mr. Jevons	7325E	Miss Frawley	7326
6th FLOOR FILES		Recorders	7328
		Typing Pool	7332
		LABORATORY FILES	

Yarns for secret meeting

Mr. Stanley

See Me _____

Please Handle _____

Route to #1 Examiner _____

E. P. COFFEY

L-37

FEDERAL BUREAU OF INVESTIGATION

Laboratory

Date 6/24 1941

Director
Mr. Ladd
Mr. H. H. Clegg
Mr. Foxworth
Mr. E. A. Tamm
Mr. Tolson
Mr. Nichols
Mr. Rosen
Mr. Hendon
Mr. Little
Mr. Renneberger
Mr. Q. Tamm
Single Fingerprint
Chief Clerk
Stenographer
6th Floor Files

ANONYMOUS COMMUNICATION
KEEP ENVELOPE ATTACHED

ENCL. W

RECORDED

Mr.

80-604-102

5 JUN 25 1941

U.S. DEPARTMENT OF JUSTICE

E. P. COFFEY